**Supporting Information**

Gram-Scale Synthesis of Blue-Emitting CH3NH3PbBr3 Quantum Dots through Phase Transfer Strategy

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Figure S1. SEM images of precipitates obtained in conventional emulsion synthesis. (a) Scale bar of 10 μm; (b) Scale bar of 2 μm.



Figure S2. Absorption and PL spectra of the as-fabricated FAPbBr3 QDs.



Figure S3. Wavelength tunable CH3NH3PbBr3 QDs by varying the amount of ligands.



Figure S4. TEM images of CH3NH3PbBr3 QDs fabricated using varied amount of ligands and the corresponding statistical analysis of QD sizes. (a, b) 10 μL; (c, d) 20 μL.