

Supporting information for:

Low-Cost Synthesis of Highly Luminescent Colloidal Lead Halide Perovskite Nanocrystals by Wet Ball Milling

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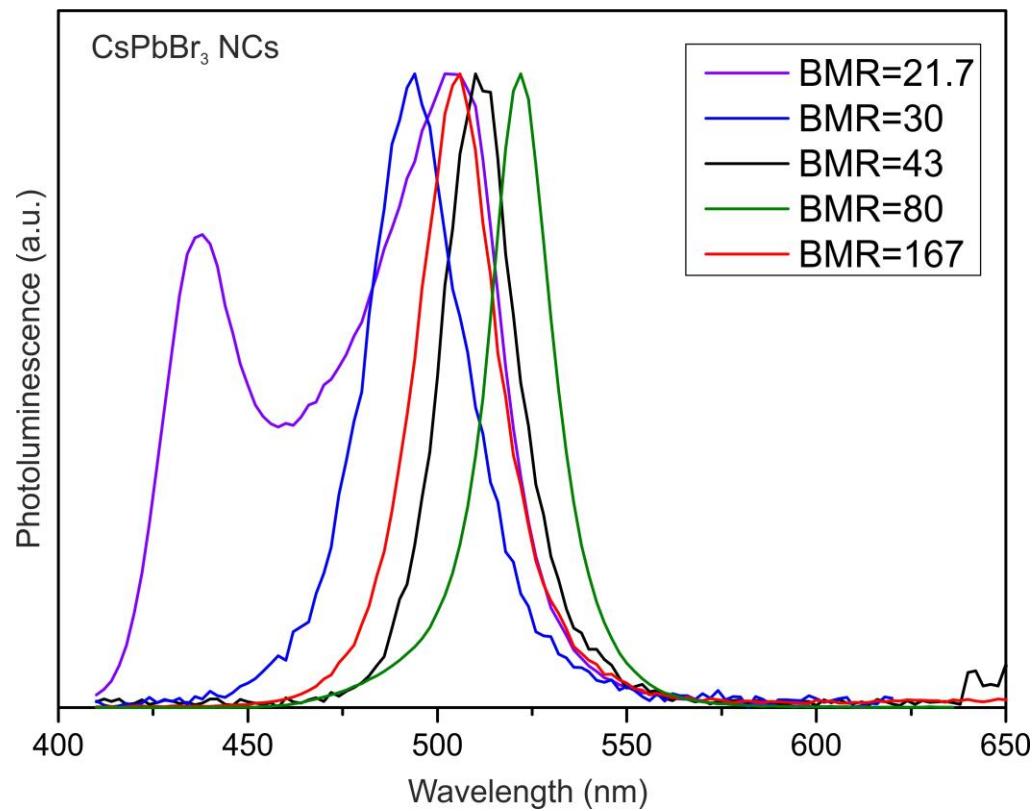


Figure S1. Experiments with balls-to-materials weight ratios (BMR) ranging from 21.7 to 167 in the synthesis of CsPbBr₃ NCs by wet ball milling.

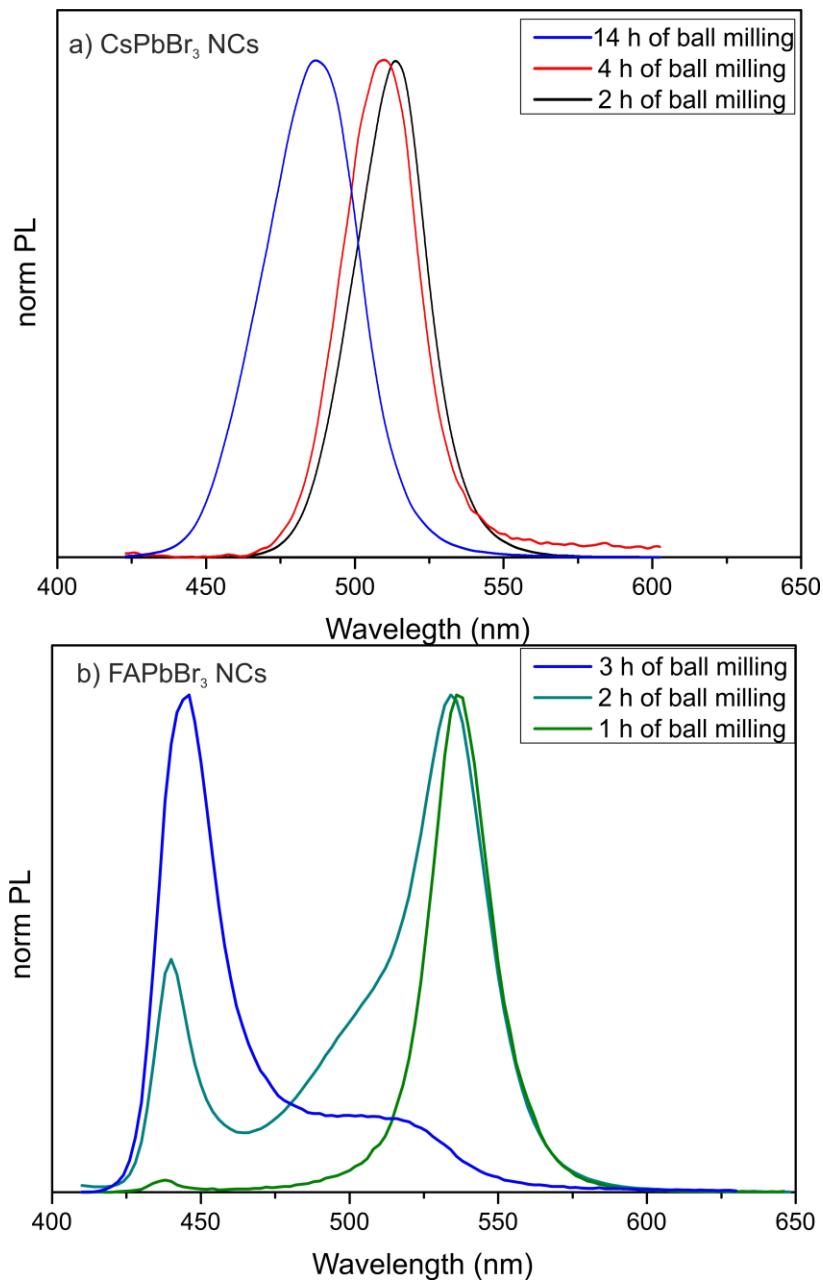


Figure S2. The effect of milling time for on the formation of (a) CsPbBr_3 NCs and (b) FAPbBr_3 NCs by wet ball milling using ball-to-material mass ratio of 80, mestylene as a solvent and oleylammonium bromide as a ligand.

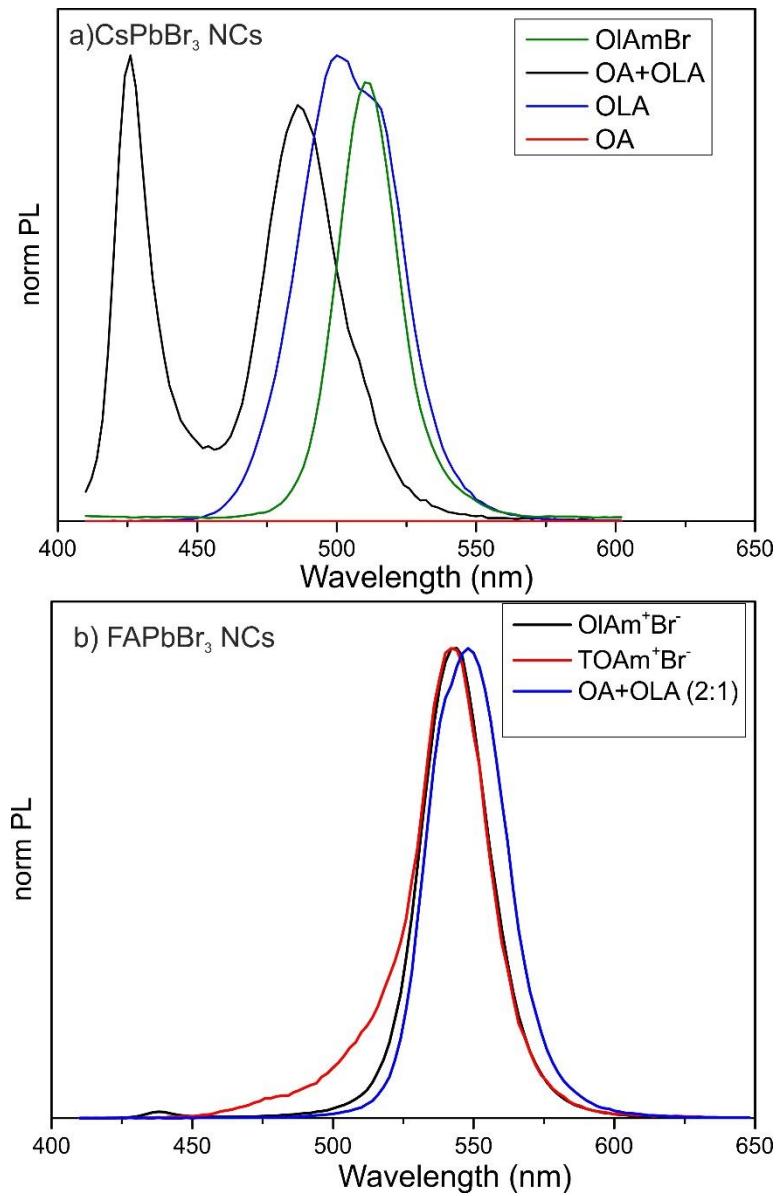


Figure S3. The effect of the used ligand systems on the outcome of the synthesis of (a) CsPbBr_3 NCs and (b) FAPbBr_3 NCs by wet ball milling.

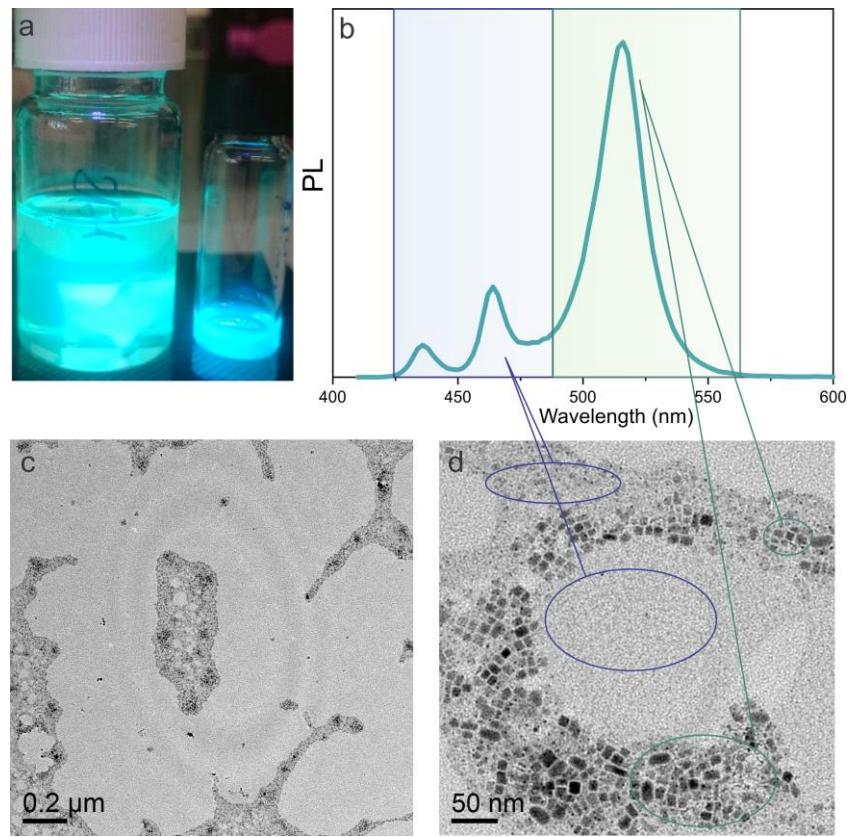


Figure S4. (a) Photograph of the product after 21 h of ball milling; under UV lamp. (b) the corresponding PL emission showing two peaks corresponding to CsPbBr_3 NPLs and (the most intense) to CsPbBr_3 NCs; (c) and (d) TEM images showing both CsPbBr_3 NCs and NPLs morphologies.

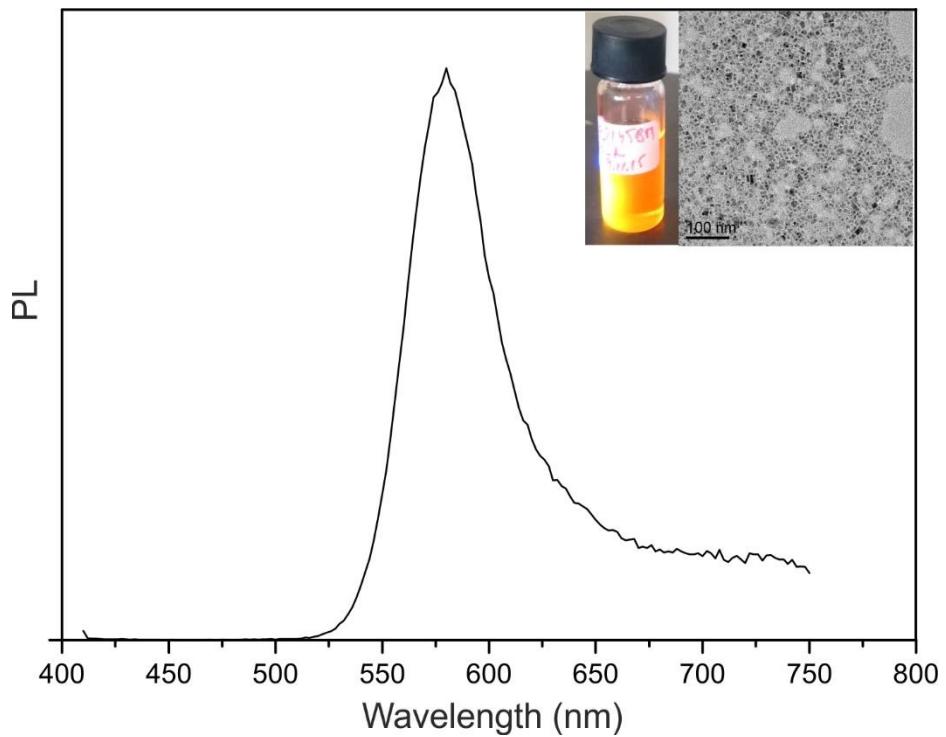


Figure S5. MAPbI₃ NCs obtained with wet ball-milling method.