Spin-Coated CH₃NH₃PbBr₃ Film Consisting of Micron-Scale Single Crystals Assisted with a Benzophenone Crystallizing Agent and Its Application in Perovskite Light-Emitting Diodes

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Figure S1. UV - VIS absorption of MAPbBr₃ films with each BP concentration.



Figure S2. PL spectra of perovskite films with each BP concentration.



Figure S3. Cross-SEM of CH₃NH₃PbBr₃ films. (a) CH₃NH₃PbBr₃ film consisting of micron-scales single crystals; and (b) poly-crystalline CH₃NH₃PbBr₃ film.



Figure S4. The statistical results of the thickness of the films: (**a**) the perovskite film without BP; and (**b**) the perovskite film with 5 wt% BP.