

Supporting Information

Water-assisted Perovskite Quantum Dots with High Optical Properties

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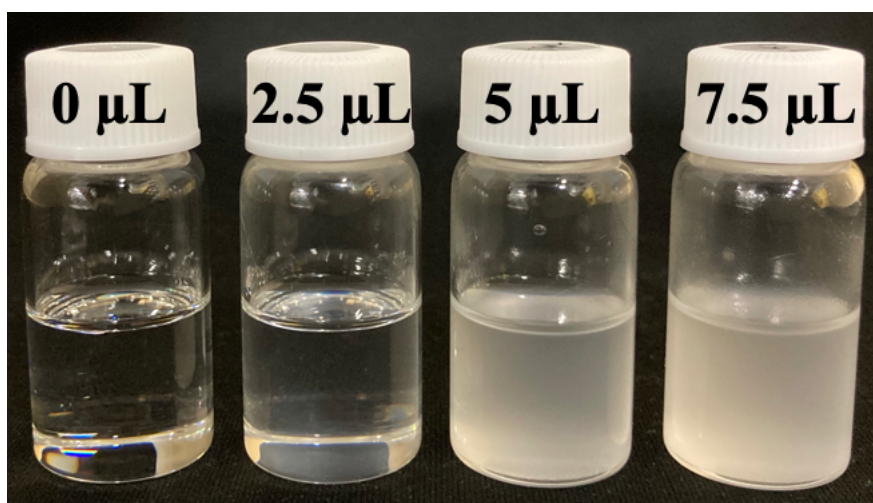


Figure S1. Photographs of mixed solvent of toluene and water.

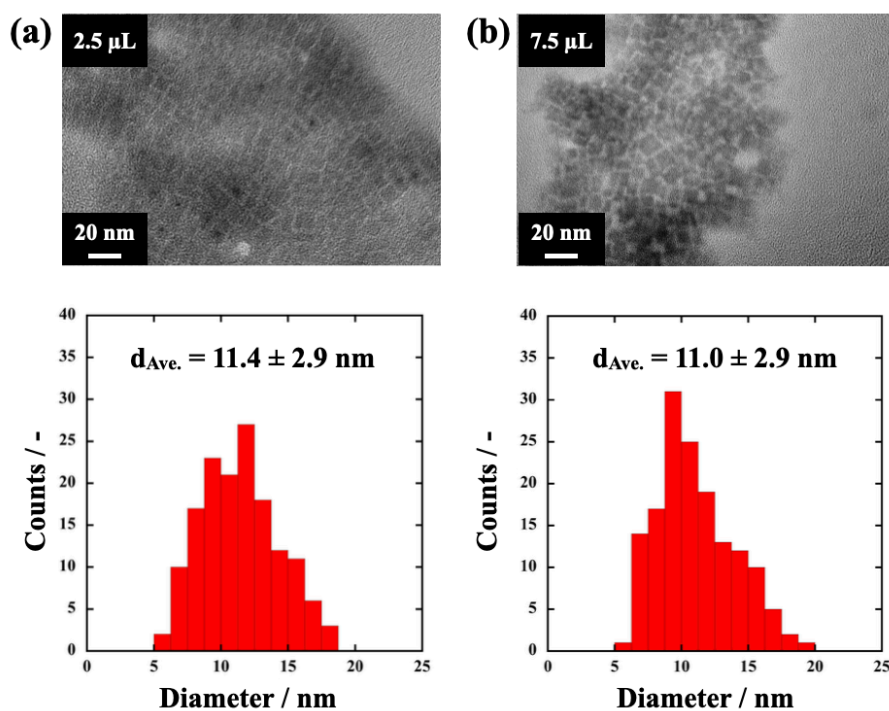


Figure S2. TEM images and size histogram of the MAPbBr₃ PeQDs prepared with (a) 2.5 μL and (b) 7.5 μL of water.

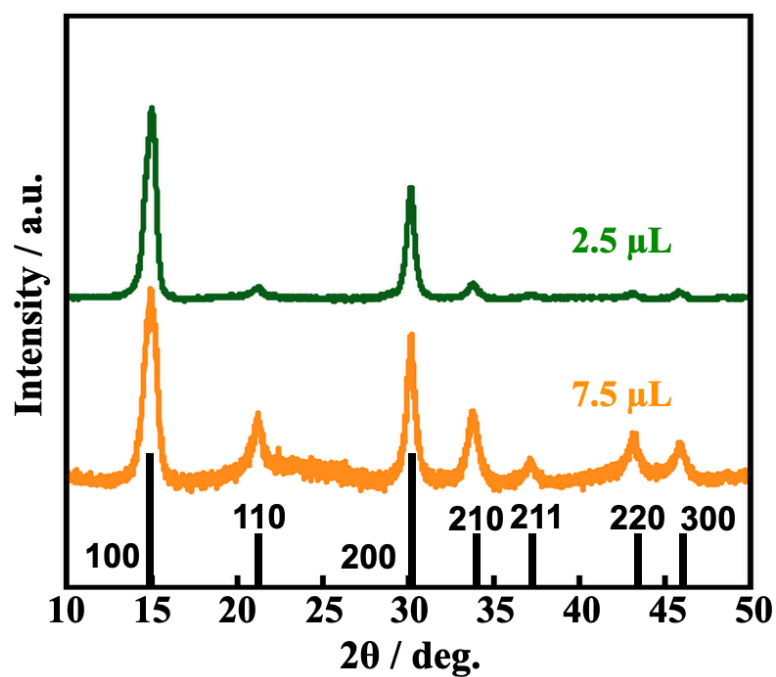


Figure S3. XRD patterns of the MAPbBr₃ PeQDs prepared with (a) 2.5 μ L and (b) 7.5 μ L of water.

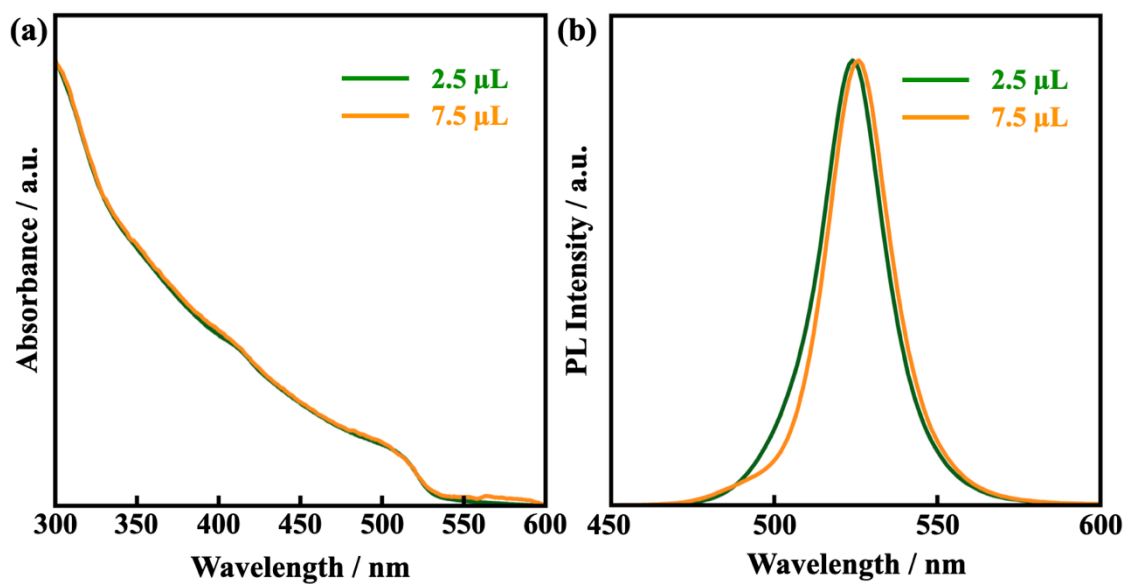


Figure S4. a) UV-vis absorption spectra and (b) PL spectra of the MAPbBr₃ PeQDs prepared with 2.5 μ L and 7.5 μ L of water.

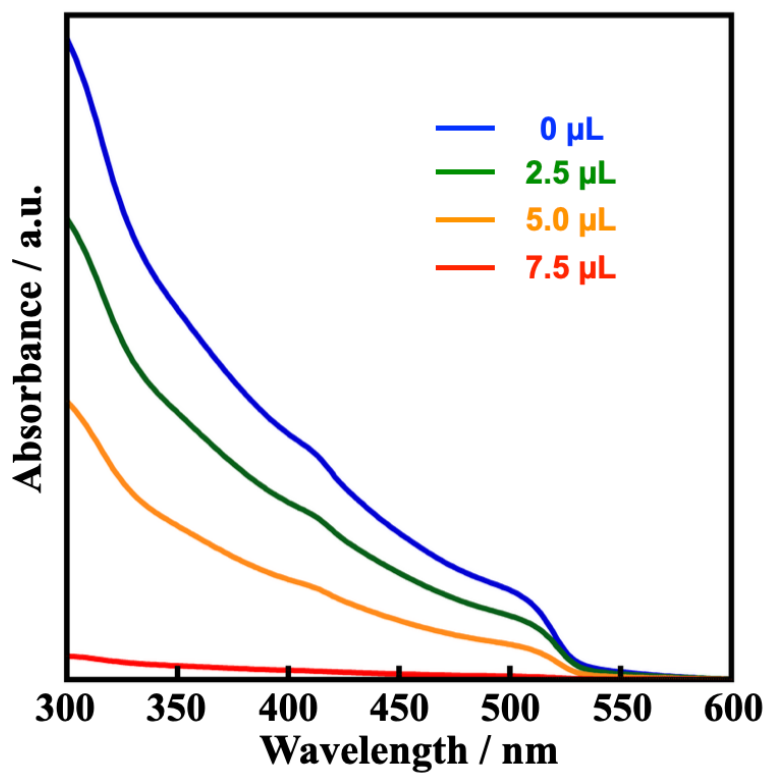


Figure S5. UV-vis absorption spectra of the MAPbBr₃ PeQDs prepared without water (0 μL) and with water (2.5 - 7.5 μL).

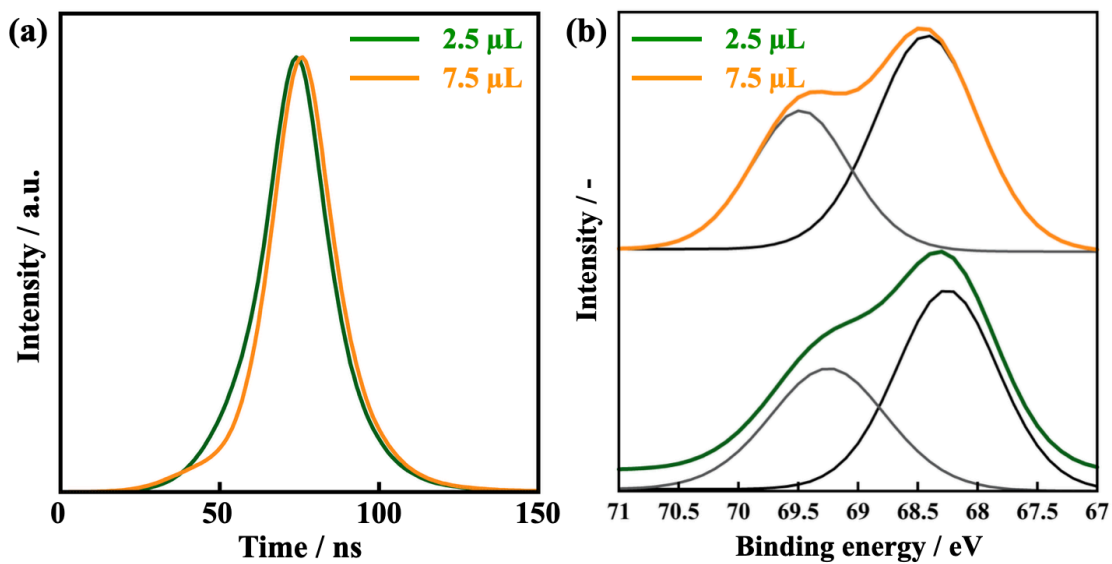


Figure S6. (a) PL decay curved and (b) XPS spectra of the MAPbBr₃ PeQDs prepared with 2.5 μL and 7.5 μL of water.