

Supplementary information

Real-Time Observation of Ion Exchange Dynamics during Surface Treatment of All-Inorganic Perovskite Quantum Dots with Zn-halogenide Complexes for Color Tuning and Enhanced Quantum Efficiency

Egle Ezerskyte¹, Martynas Malikenas¹, Simas Sakirzanovas¹, Arturas Katelnikovas¹, Vaidas Klimkevicius^{1*}

¹Institute of Chemistry, Faculty of Chemistry and Geosciences, Vilnius University, Naugarduko 24, LT-03225 Vilnius, Lithuania

*Correspondence: vaidas.klimkevicius@chf.vu.lt

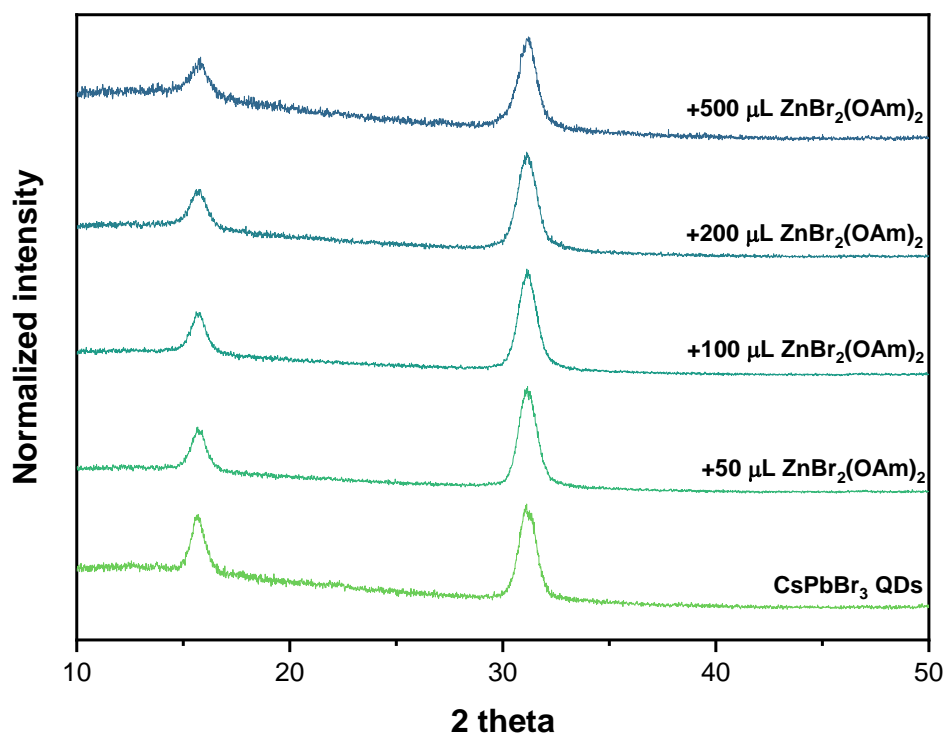


Figure S1. XRD patterns of stock CsPbBr₃ QDs and QDs modified with different amounts of ZnBr₂(OAm)₂ complex solutions.

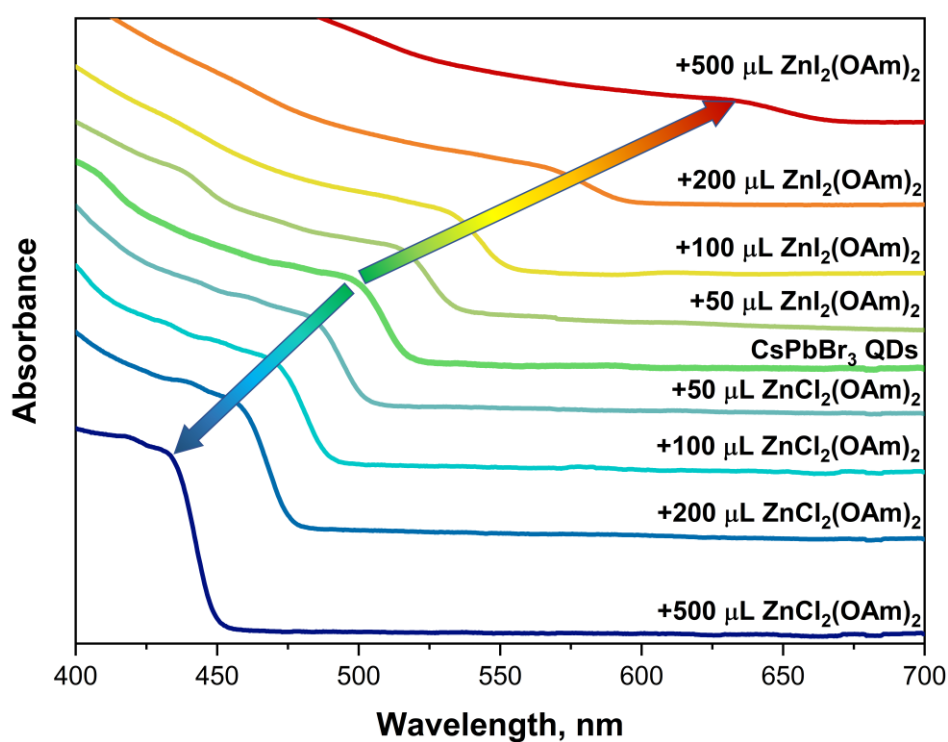


Figure S2. Absorption spectra of stock CsPbBr₃ and modified perovskites QDs employing the different amounts of ZnX₂(OAm)₂ complex solutions (X = Cl, I).

15
16
17

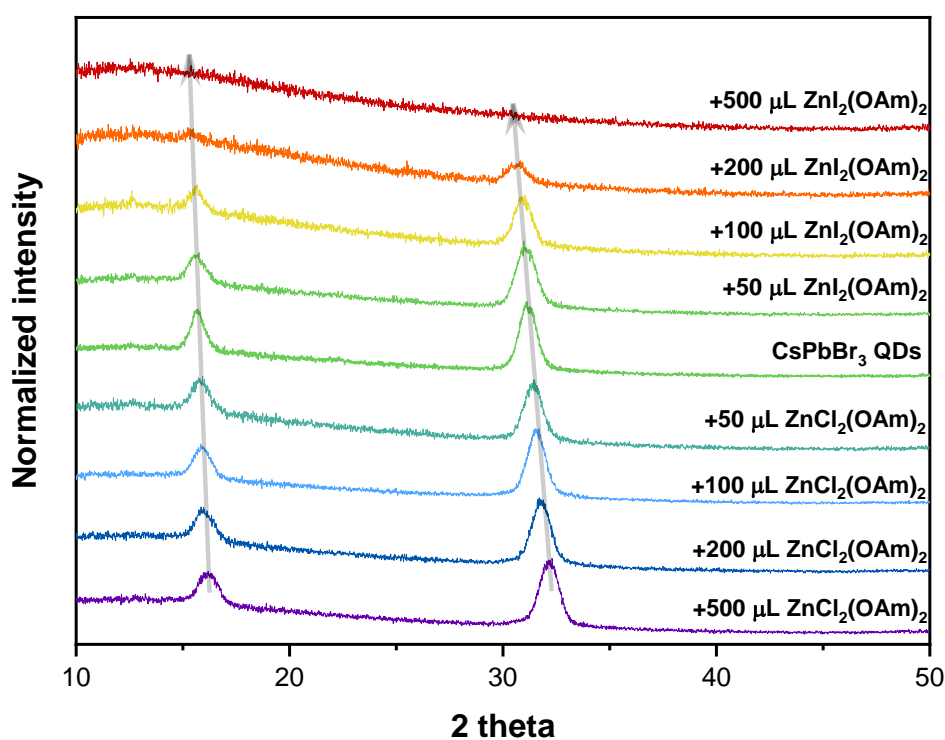


Figure S3. XRD patterns of stock CsPbBr₃ QDs and QDs modified with different amounts of ZnX₂(OAm)₂ complex solutions (X = Cl, I).

18
19