Supporting Information

Controlling Quantum Confinement in Luminescent Perovskite Nanoparticles for Optoelectronic Devices by the Addition of Water

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Figure S1. Stability of optical properties colloidal solutions, comparison of freshly prepared samples and two days old samples which were stored at ambient conditions. A) Changes in emission maxima, B) changes in FWHM with different water amounts additions. C) Temporal degradation of the PLQY, sample with 32 molar water eqivalents with respect to PbBr₂.



Figure S2. TEM images with Fast Fourier Transform (inset) images of reference PNP, with no water added.



Figure S3. TEM images with Fast Fourier Transform (inset) images of PNP prepared with 2 mol. eq. of water added.



Figure S4. TEM images with Fast Fourier Transform (inset) images of PNP prepared with 32 mol. eq. of water added.



Figure S5. XPS spectra of PNP with 32 mol. eq. of H₂O with respect to PbBr₂