

Electronic Supplementary Information

Highly Stable Perovskite Nanogels as Inks for Multicolor Luminescent Authentication Applications

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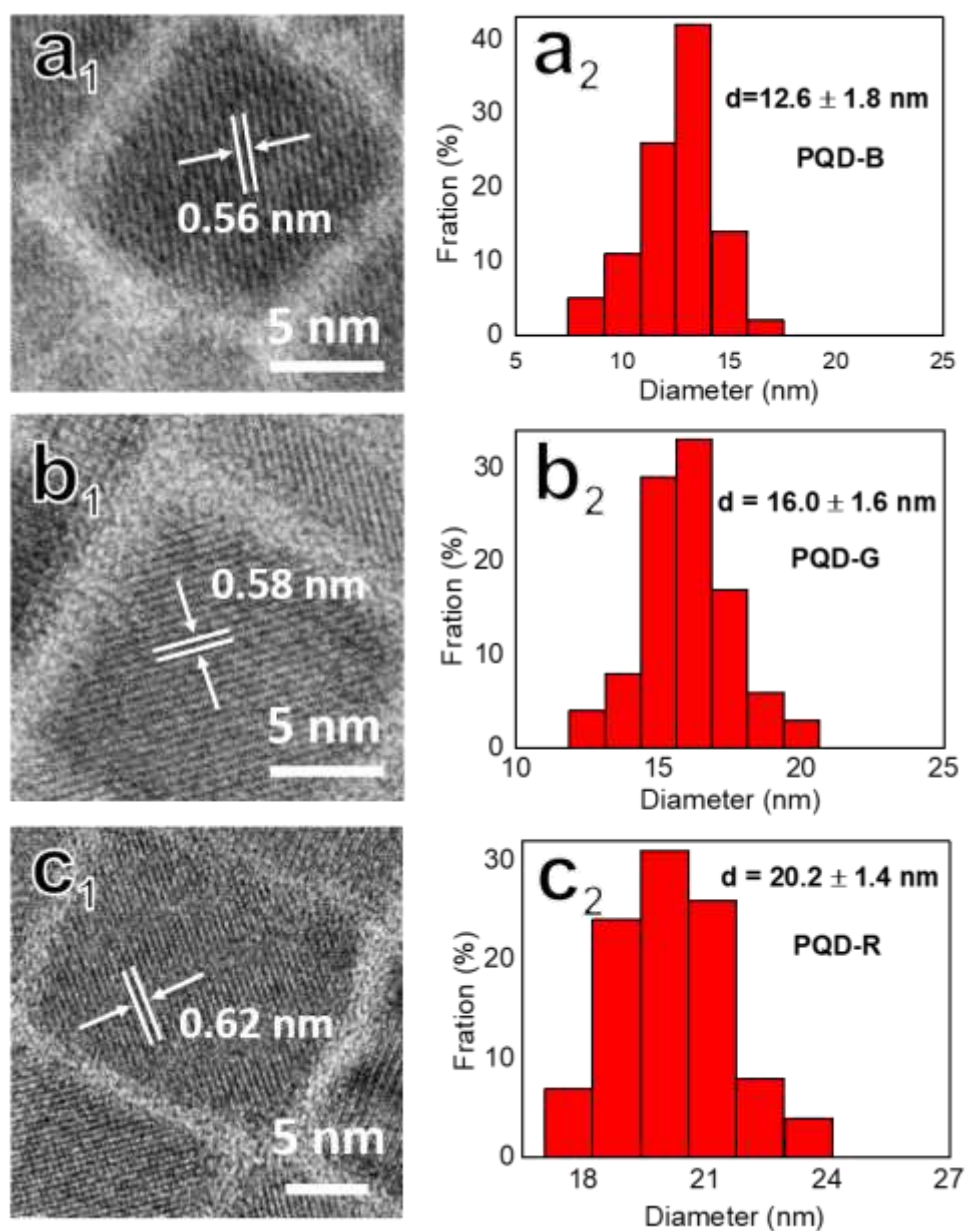


Figure S1. The HRTEM images (a_1 , b_1 , c_1) and their size distribution (a_2 , b_2 , c_2) of PQD-B, PQD-G and PQD-R, respectively.

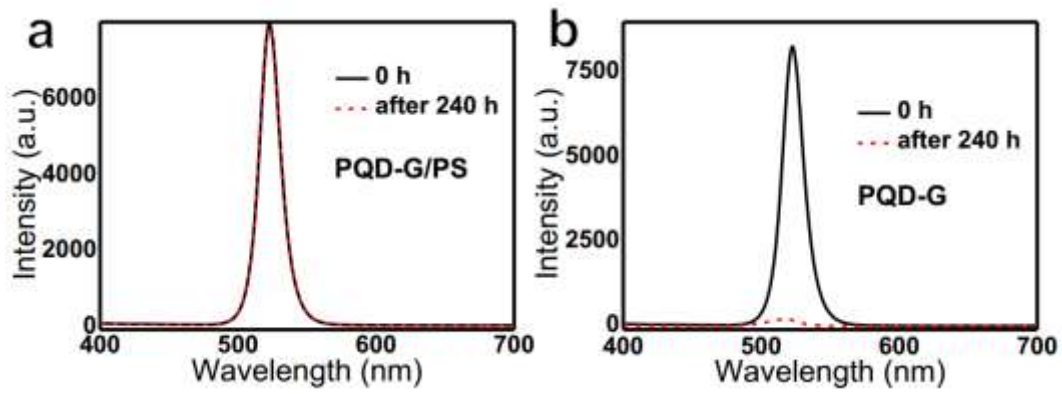


Figure S2. The luminescence spectra of PQD-G/PS (a) and PQD-G (b) before and after irradiation (365-nm light) for 240 h.

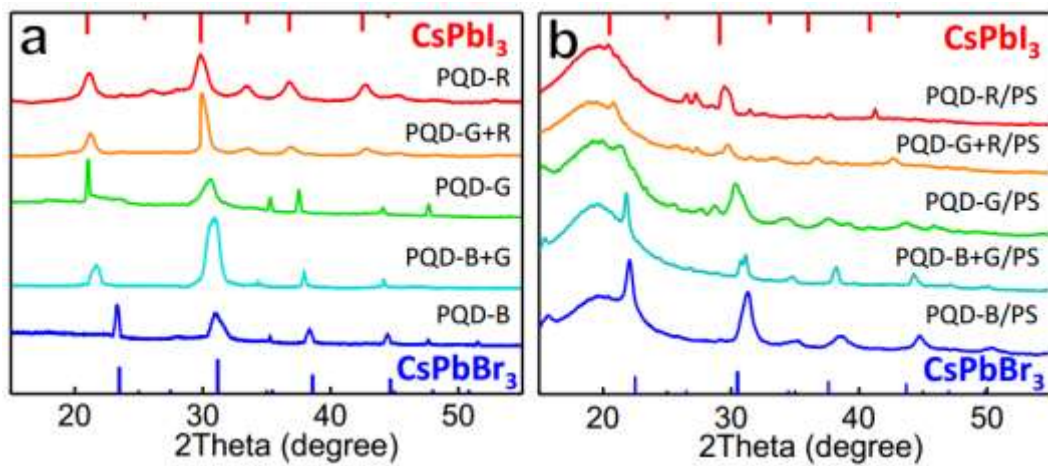


Figure S3. XRD patterns of PQDs with their mixture (a) and PQDs/PS films with their mixture films (b). The wide weak peak around 20° can be ascribed to the PS film.

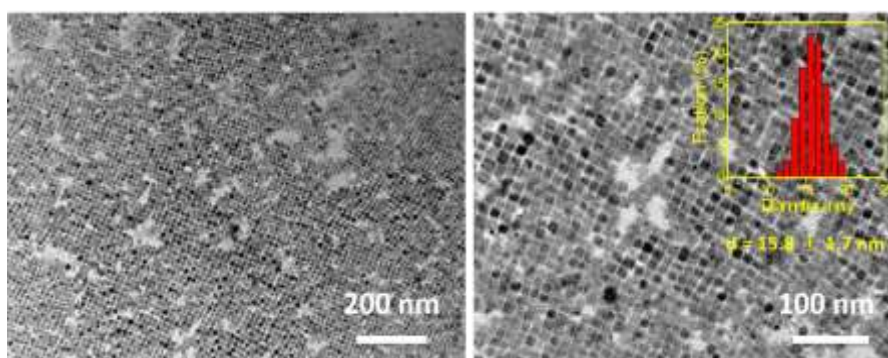


Figure S4. TEM images of CsPbBr₃ QDs dispersed in as-polymerized PS.

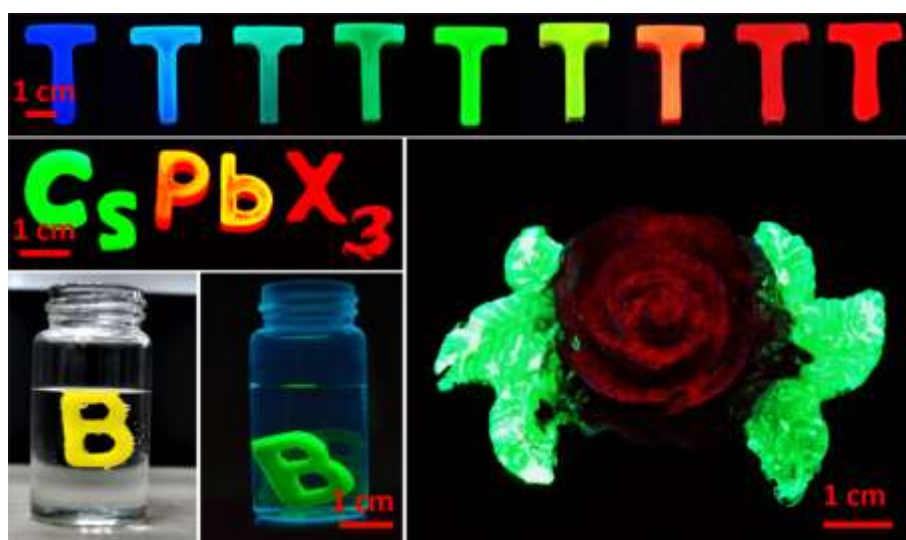


Figure S5. Fluorescent letters and flower modeled with different PQD/PS ($\lambda_{ex} = 365$ nm).