

Room temperature synthesis of Sn^{2+} doped highly luminescent CsPbBr_3 quantum dots for high CRI white light-emitting diodes

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Table S1 The amount of the PbBr_2 and the SnBr_2 .

PbBr_2 (mmol)	SnBr_2 (mmol)	Ratio (%)
0.105	0	0
0.0945	0.0105	10
0.084	0.021	20
0.0735	0.0315	30
0.063	0.042	40
0.0525	0.0525	50
0.042	0.063	60

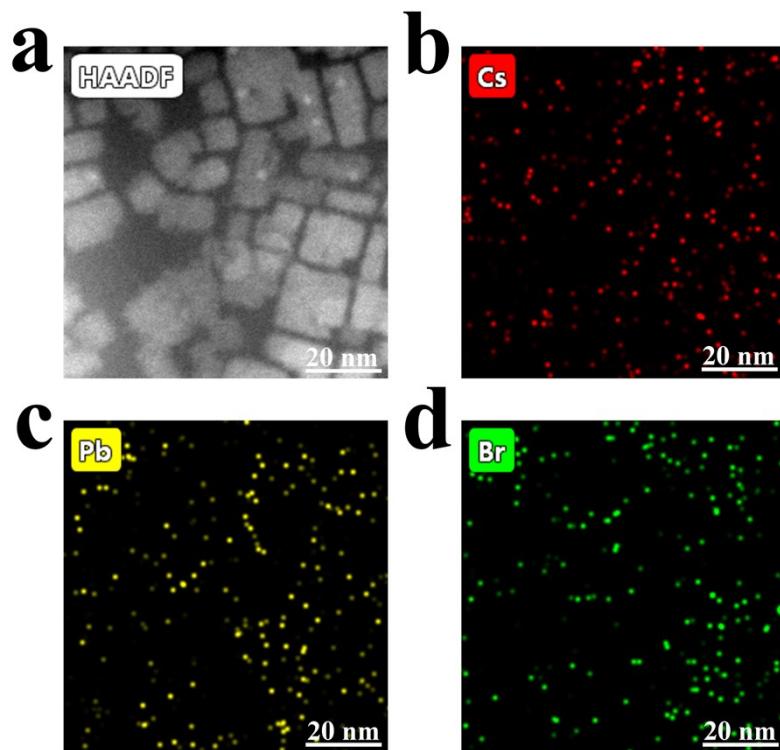


Figure S1. The EDS mapping for pure CsPbBr_3 QDs.

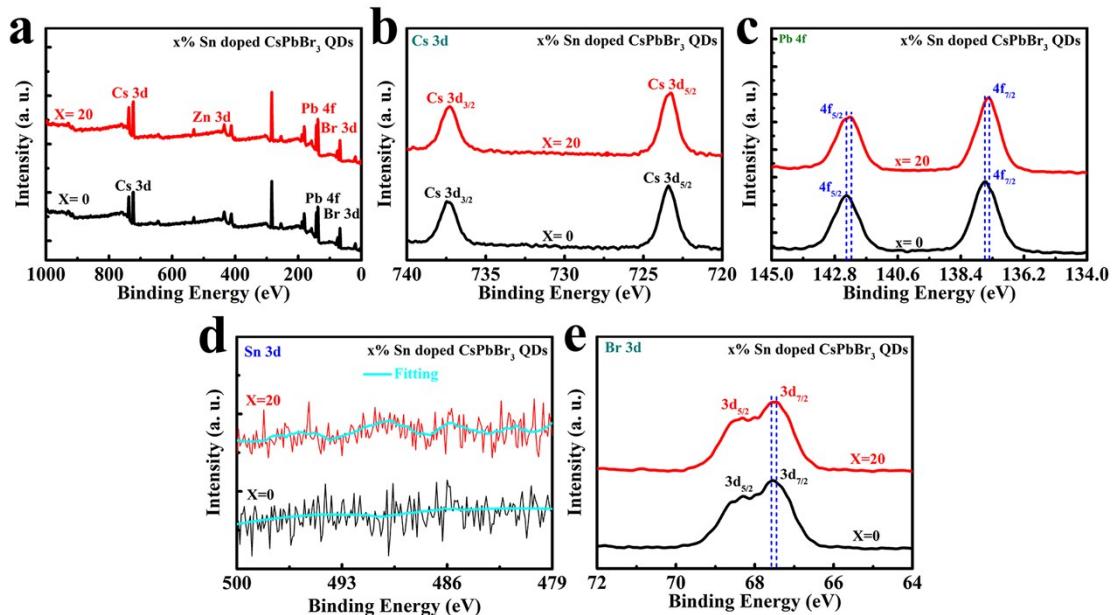


Figure S2. (a) XPS survey for pure and 20% Sn^{2+} doped CsPbBr_3 QDs (b~e) High resolution XPS spectrum of Cs 3d, Pb 4f, Sn 3d and Br 3d for pure and 20% Sn^{2+} doped CsPbBr_3 QDs, respectively.

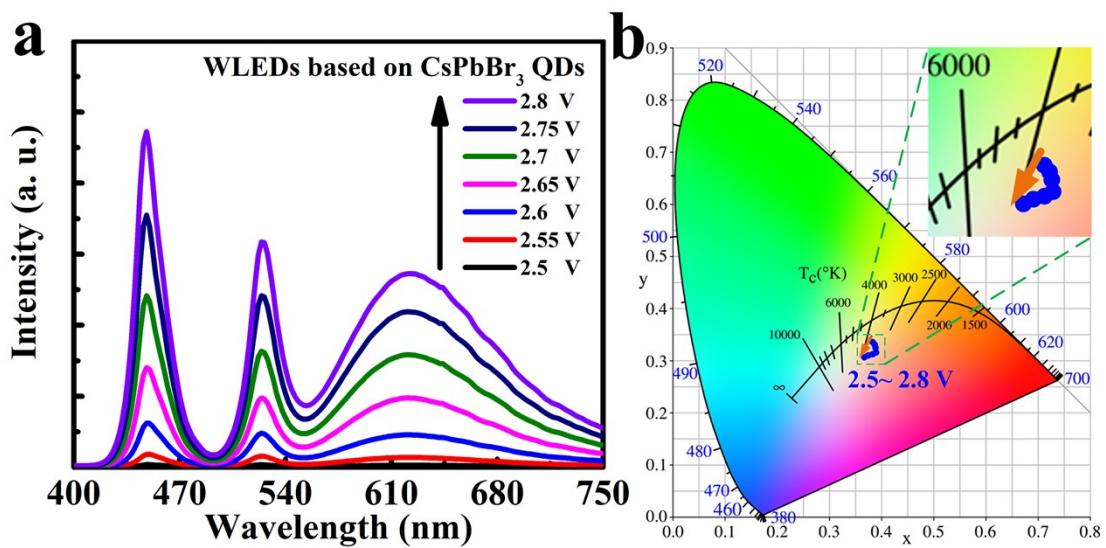


Figure S3. (a) EL spectra and (b) CIE color coordinates of pure CsPbBr_3 QDs–based WLEDs.

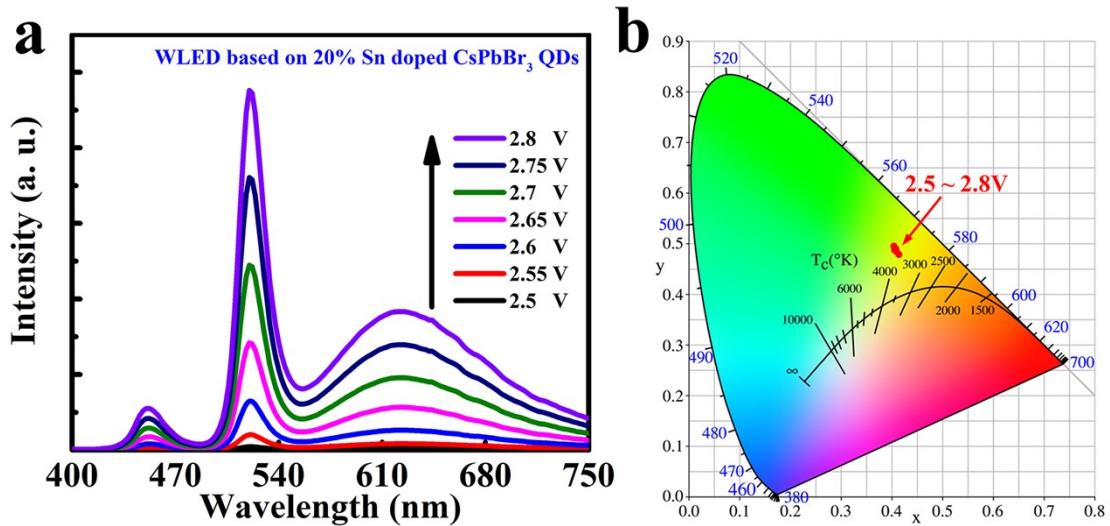


Figure S4 (a) EL spectra and (b) CIE color coordinates of 20% Sn^{2+} doped CsPbBr_3 QDs WLEDs.