

## Supplementary Information

### Research of the photoluminescence properties of Cu<sup>2+</sup>-doped perovskite CsPbCl<sub>3</sub> quantum dots

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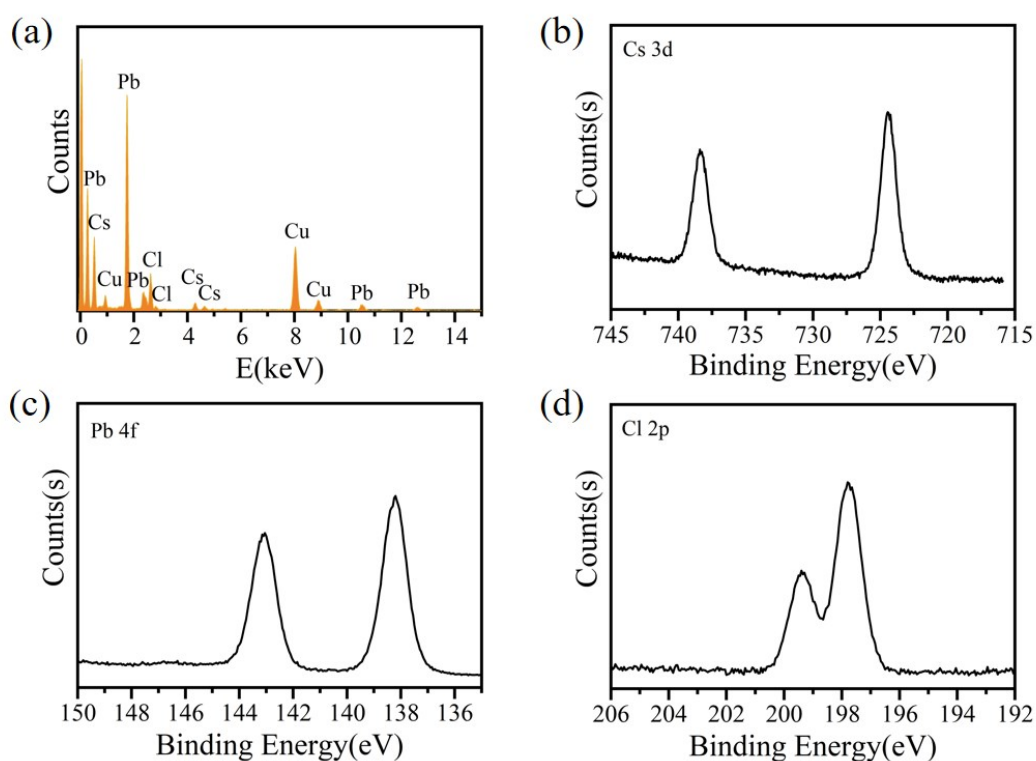


Figure S1. Cu<sup>2+</sup>-doped CsPbCl<sub>3</sub> QDs with the Cu-to-Pb molar ratio of 0.9:1. (a) EDX spectrum. (b-d) The high-resolution XPS spectra corresponding to Cs 3d, Pb 4f, Cl 2p, respectively.

Table S1. The doping concentrations of Cu ions relative to Pb ions in Cu: CsPbCl<sub>3</sub> QDs with different molar ratios of Cu/Pb (0.1/1, 0.3/1, 0.5/1, 0.9/1, 1.7/1) measured by ICP-OES.

<b>Cu: Pb molar ratios</b>	<b>Cu concentrations(%)</b>
<b>0.1:1</b>	<b>0.58</b>
<b>0.3:1</b>	<b>1.26</b>
<b>0.5:1</b>	<b>1.56</b>
<b>0.9:1</b>	<b>2.32</b>
<b>1.7:1</b>	<b>3.64</b>