Supporting Information

A fluorescent probe for Cd²⁺ detection based on aggregation-induced emission enhancement of aqueous Zn-Ag-In-S quantum dots

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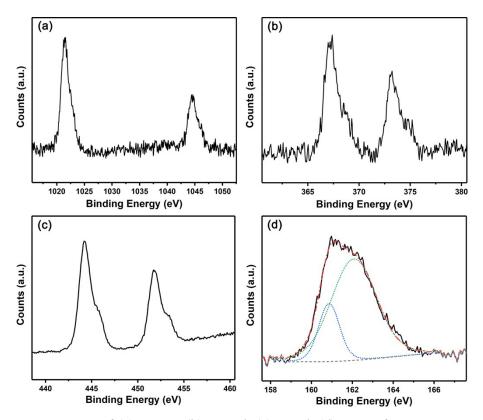


Fig. S1 XPS spectra of (a) Zn 2p, (b) Ag 3d, (c) In 3d, (d) S 2p of ZAIS QDs.

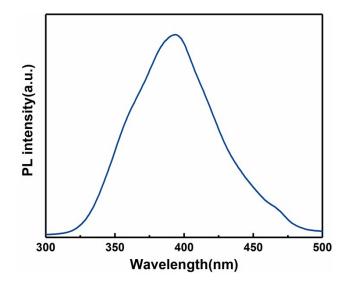


Fig. S2 Excitation spectrum of ZAIS QDs (monitored at emission wavelength of 525 nm).

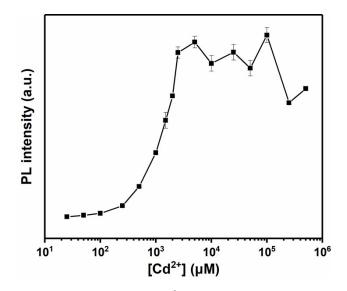


Fig. S3 PL intensity of ZAIS QDs with Cd^{2+} of different concentrations added (from 25 μ M to 500 mM). The x-axis is logarithmic.

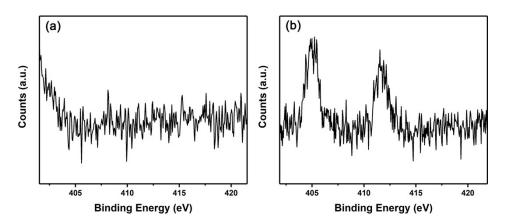


Fig. S4 XPS spectra of Cd 3d (a) before adding Cd^{2+} (b) after adding Cd^{2+} of 2 mM.

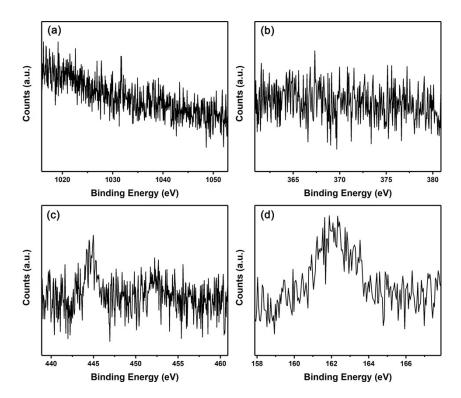


Fig. S5 XPS spectra of (a) Zn 2p, (b) Ag 3d, (c) In 3d, (d) S 2p of ZAIS QDs after adding Cd²⁺ of 2 mM.

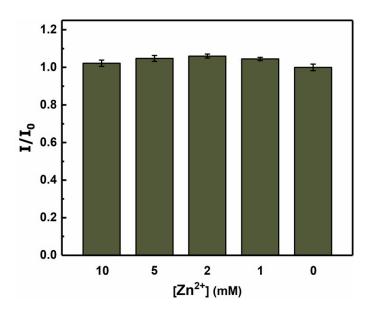


Fig. S6 Effect of Zn^{2+} of different concentrations on the PL response of ZAIS QDs.