Electronic Supplementary Information

Temperature-Dependent Photoluminescence of Cadmium-Free Cu-Zn-In-S Quantum Dot Thin Films as Temperature Probes

Lan Wang, Xiaojiao Kang, Lijian Huang, Daocheng Pan*

State Key Laboratory of Rare Earth Resource Utilization, Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, Changchun, Jilin, 130022, China

Tel & fax: +86-431-85262941; email: pan@ciac.ac.cn
Figure S1. Effects of LiOH (A and B), NaOH (C and D), KOH (E and F), and TMAH (G and H) on PL spectra and PL intensity of Cu-Zn-In-S QD thin films with different Cu/Zn/In ratios.
Figure S2. HRTEM image of Cu-Zn-In-S QDs (Cu:Zn:In=1:10:10)
**Figure S3.** EDS spectra and chemical compositions of Cu-Zn-In-S QD thin films with different Cu:Zn:In ratios
Figure S4. Temperature-dependent PL spectra of Cu-Zn-In-S QD thin films with different Cu/Zn/In ratios.