Supporting Information

Synthesis of highly luminescent Cu/Ag bimetal nanoclusters and their application in a temperature sensor

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Fig. S1 Typical TEM image of the Cu NCs



Fig. S2 The luminescence emission spectra of GSH-Cu NCs solution (a) at different GSH/Cu²⁺ molar ratios 2:1, 4:1, 6:1 and 8:1, (b) at various pH value.



Fig. S3 Plot of luminescence intensity of the Cu/Ag BNCs versus the reaction duration without stirring.



Fig. S4 Luminescence emission spectra of the Cu/Ag BNCs (a) in presence of different NaCl concentrations, and (b) various common metal ions.



Fig. S5 (a) The luminescence emission spectra and the Cu/Ag BNCs in the ethanol/water mixtures with different $f_{\rm e}$. (b) Digital photos of luminescent Cu/Ag BNCs in the solid state under (1) visible and (2) UV light.