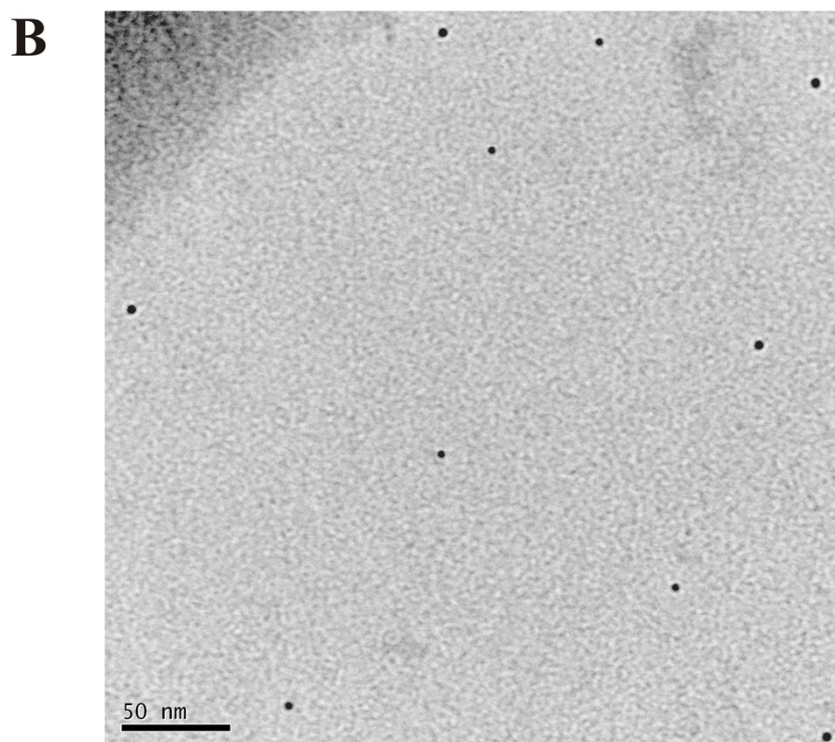
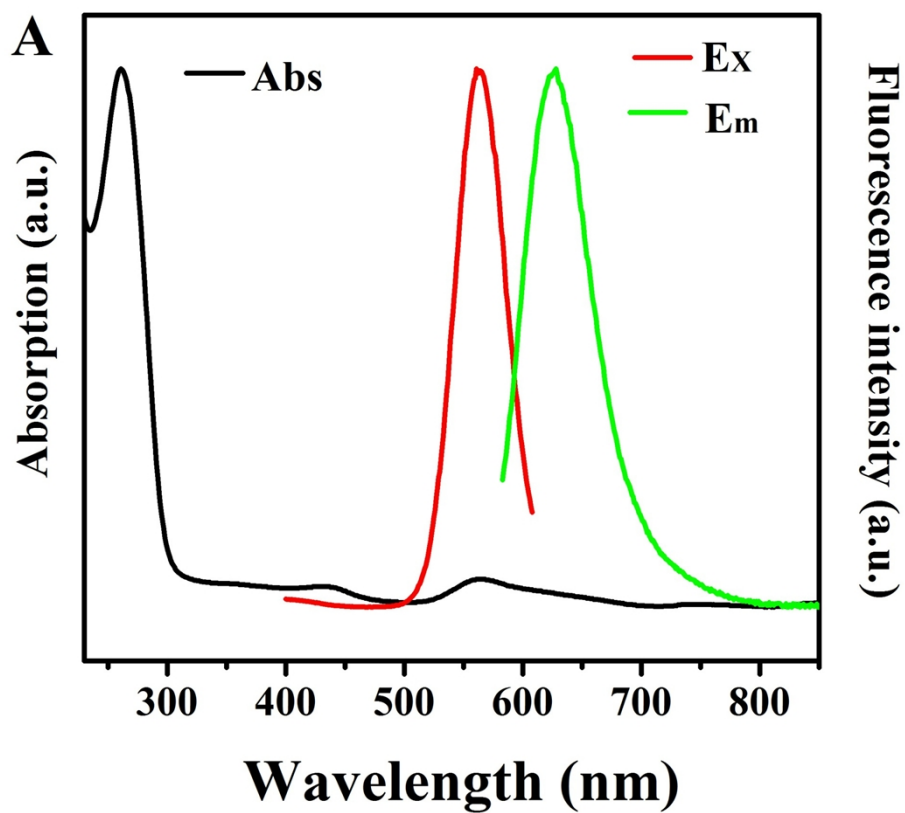


## SUPPLEMENTARY INFORMATION

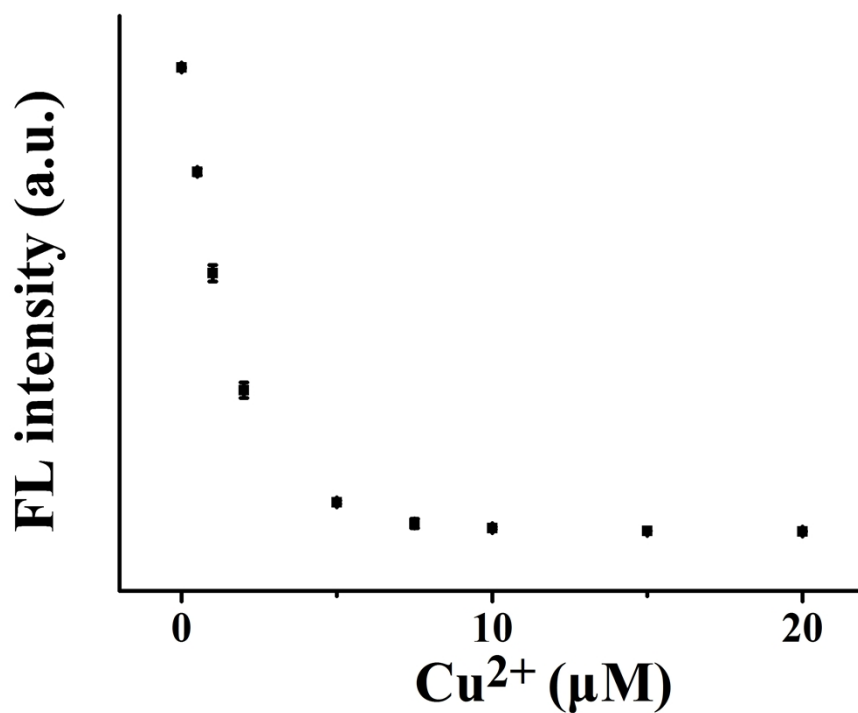
# A DNA-scaffolded silver nanocluster/ $\text{Cu}^{2+}$ ensemble as a turn-on fluorescent probe for histidine

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**Fig. S1** (A) The absorption, maximum excitation and emission spectra of the highly fluorescent DNA-AgNCs; (B) A typical TEM image of the DNA-AgNCs.



**Fig. S2** Fluorescence response of DNA-AgNCs to different concentrations of Cu<sup>2+</sup>.

**Table S1** Determination of histidine in artificial urine samples and recovery test by the proposed method (n=3).

	Spiked (μM)	Measured <sup>a</sup> (μM)	Recovery (%) <sup>a</sup>
Spiked artificial urine	0.00	Nd <sup>b</sup>	
	12.00	14.79±0.26	98.6±1.7
	18.00	18.07±0.26	100.4±1.5

<sup>a</sup> mean ± std, n=3. <sup>b</sup> not detected.