Supporting information

Au NCs-enhanced chemiluminescence from NaHSO₃-H₂O₂ and its analytical application

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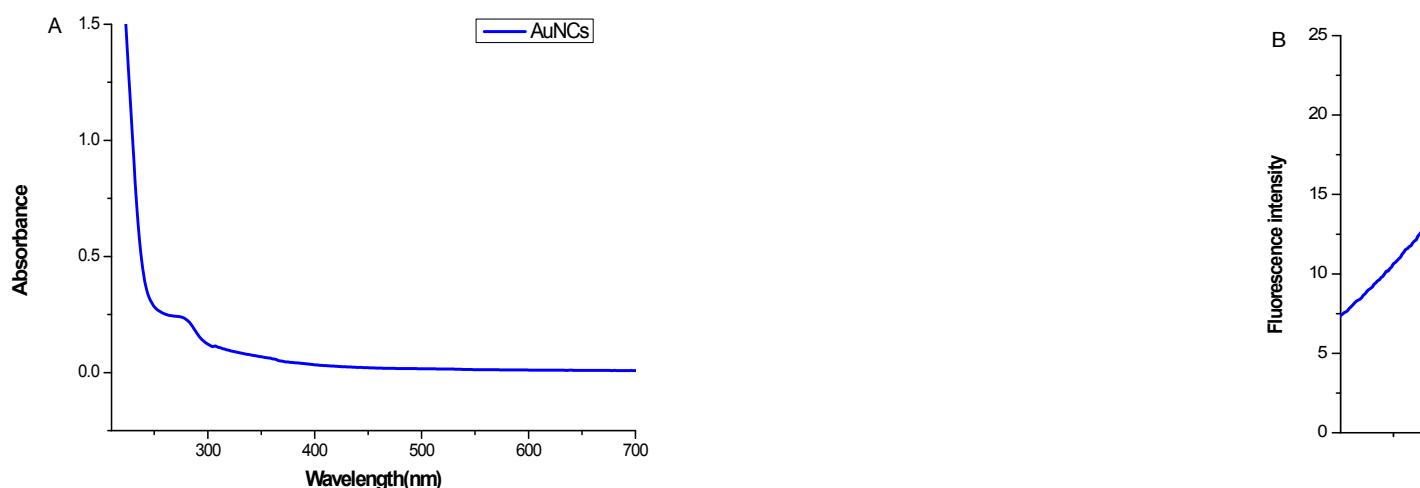
**Fig.S1.** A. UV–vis absorption spectra of BSA-protected gold nanoclusters. B. photoemission (λ_{ex} =470 nm) spectra of aqueous solution of BSA-Au NCs.

Table S1 The reproducibility of this method

△I	Trypsin (ug/ml)
5424	44.47719689

5707	49.72376715
5493	45.75639600
5313	42.41935484
5457	45.08898776
5393	43.90248424
5337	42.86429366
5655	48.75973304
5691	49.42714127
5443	44.82944012
RSD	2.7%

Table S2 The stability of this method

	$\triangle I$	Trypsin (ug/mL)	Average(ug/mL)
The first day	5494	45.77493511	
	5410	44.21764924	44.78000247
	5417	44.34742306	
The second day	5483	45.57100482	
	5611	47.94401187	46.53503893
	5511	46.09010011	
The third day	5453	45.01483129	
	5544	46.70189099	45.97886541
	5518	46.21987393	
The fourth day	5523	46.31256952	
	5431	44.60697071	
	5523	46.31256952	45.74403658
The fifth day	5432	44.62550983	
	5436	44.6996663	
	5601	47.75862069	44.6681498
The sixth day	5373	43.53170189	
	5487	45.64516129	
	5568	47.14682981	45.441231
The seventh day	5498	45.84909158	
	5433	44.64404894	
	5364	43.36484983	44.61933012
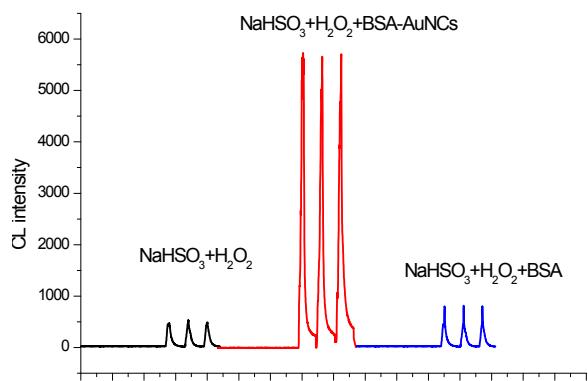
Fig.S2. Kinetic curves of CL systems: NaHSO$_3$-H$_2$O$_2$ (black line); NaHSO$_3$-H$_2$O$_2$-Au NCs (red line); NaHSO$_3$-H$_2$O$_2$-BSA (blue line).