Electronic Supplementary Material (ESI) for Analytical Methods.

Electronic Supplementary Information

Orange-fluorescence carbon dots employed for the quantitative analysis of silver ion and glyphosine through the off-on mode

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1. Figures：

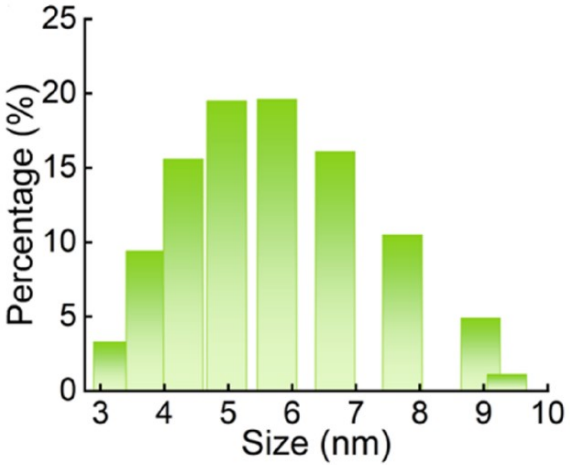

Figure S1. DLS analysis of CDs.

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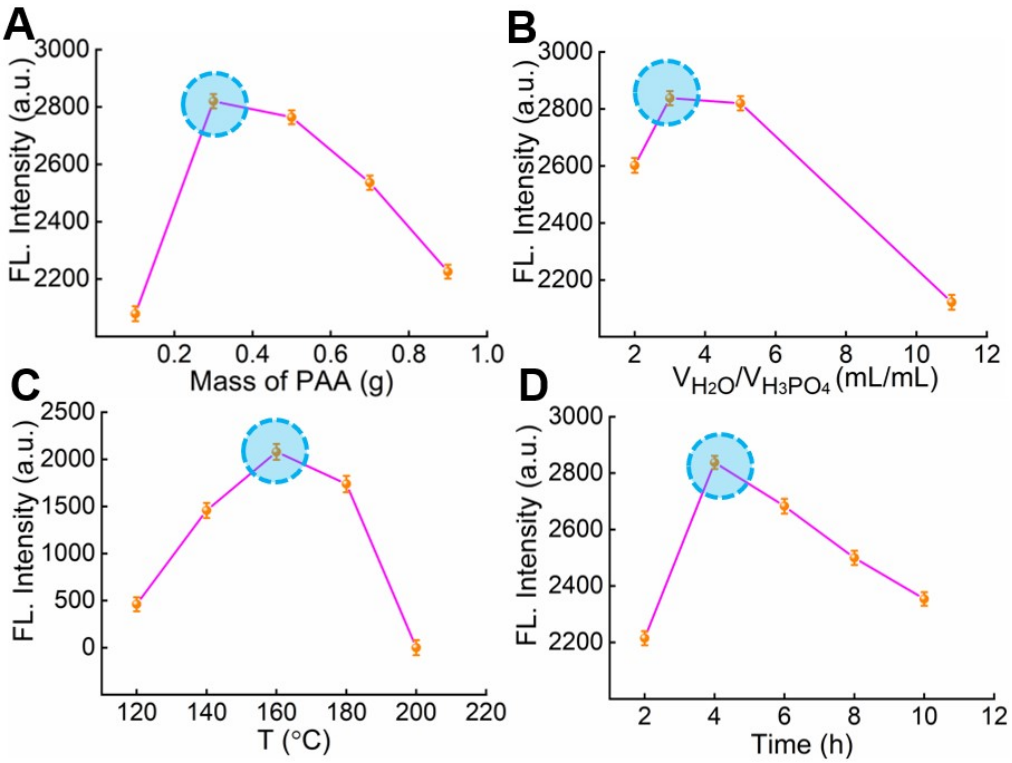

Figure S2. Fluorescence intensity of CDs with different mass of PAA (A), varying ratio of H_2O_2 to H_3PO_4, (B), various reaction temperature (C) and time (D) during the synthesis procedure.

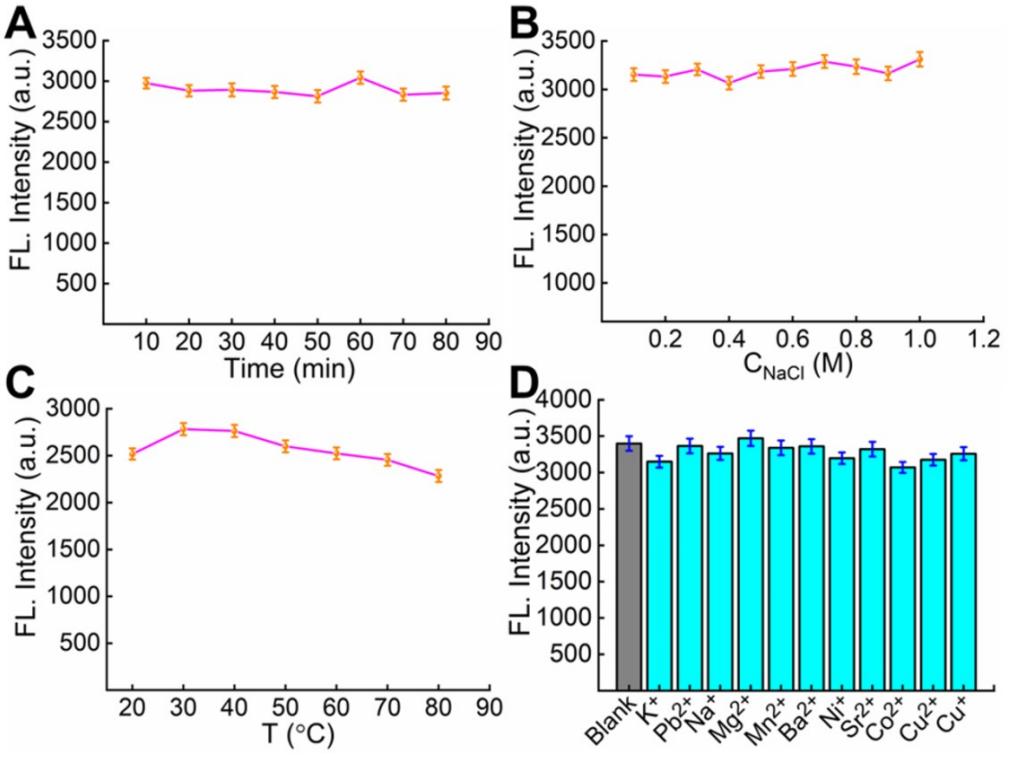

Figure S3. Fluorescence intensity of the CDs prepared here towards different time (A), diverse concentrations of NaCl, (B), varying temperature (C) and ions (D).

2. Tables：

Table S1. Application of CDs detecting silver ion

Samples	Spiked (10^{-5} M)	Found (10^{-5} M)	Recovery ratio %	RSD (n=3, %)
1	1.00	1.072	107.20	4.6
2	1.00	0.953	95.30	4.2
3	1.00	0.937	93.70	5.0

Table S2. Application of CDs detecting glyphosine

Samples	Spiked (10^{-5} M)	Found (10^{-5} M)	Recovery ratio%	RSD (n=3, %)
1	1.00	1.123	112.30	4.2
2	1.00	1.045	104.50	3.9
3	1.00	0.966	96.60	4.7