

## Supporting Information

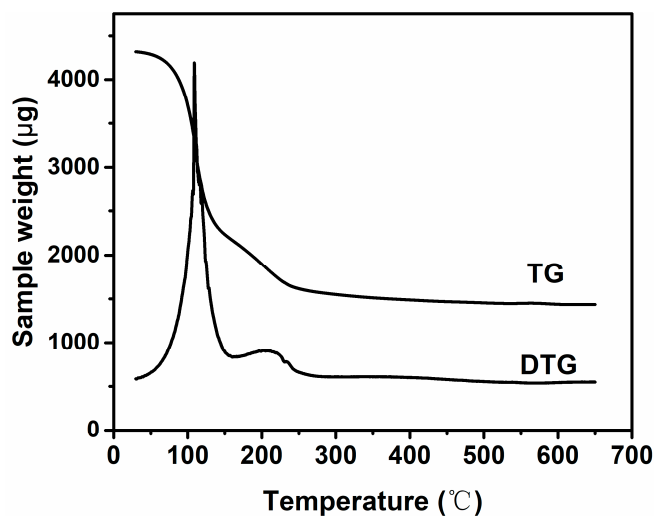


Figure S1. TG and DTG profiles of the synthesized CQDs at heating rate of 15 °C/min under Nitrogen. The two apparent weightless peaks at 110 °C and 200 °C were attributed to the volatilization of the solvent adsorbed on the CQD surface. No visible weightless peak was found above 400 °C, indicating that pure CQDs were stable under the experimental conditions.

Table S1 CN and CCN CQD content and BET surface

CCN	C:N ratio	CQD contents	BET surface m <sup>2</sup> /g
Bulk g-C <sub>3</sub> N <sub>4</sub>	0.75	0	73.4
CN	0.75	0	92.8
1CCN	0.753	0.16	88.0
2CCN	0.757	0.36	83.7
3CCN	0.765	0.78	77.7
4CCN	0.769	0.98	87.1
5CCN	0.776	1.34	84.8
6CCN	0.783	1.69	82.5

$$CQD \text{ content} = \frac{12 \times (CN \text{ ratio} - 0.75)}{12 \times CN \text{ ratio} + 14}$$