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## **Supporting Information**

## Ratiometric Fluorescent Detection of Hg<sup>2+</sup> Based on Gold Nanocluster/Carbon Quantum Dots Nanohybrids

Junyu Chen, Rui Tian\*, Duo Li, Xuehua Sun, Haoyu Li, Yuecheng Zhang

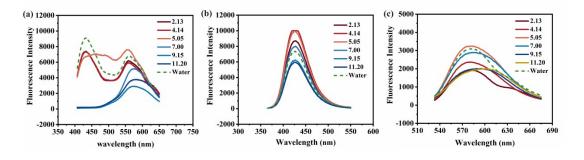


Fig. S1 Effect of pH and medium on the luminescence of (a)AuNCs/CQDs,(b)AuNCs and (c)CQDs.

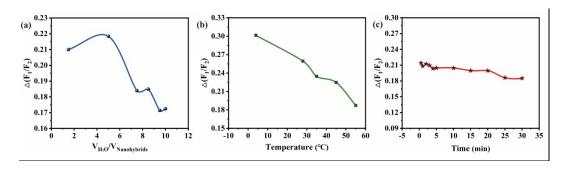


Fig. S2 Optimizing experimental conditions of (a)V<sub>H2O</sub> /V<sub>Nanohybrids</sub>,(b)time and (c)temperature.