

Supplementary Material

A sensitive WS₂ nanosheet sensing platform based on chemiluminescence resonance energy transfer for the detection of ochratoxin A

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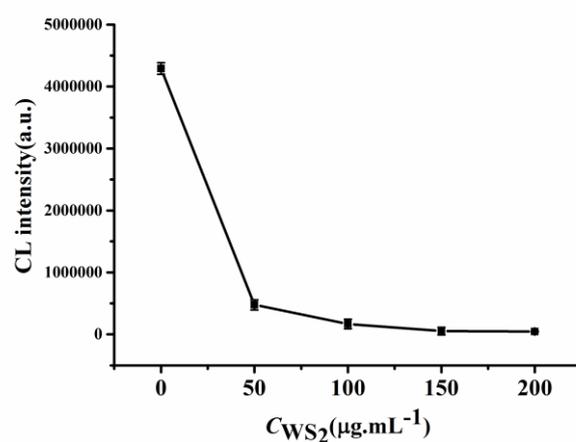


Figure S1. The effect of WS_2 nanosheet concentration on the CL intensity of CRET system. Other experimental conditions were the same as those given in Figure 3.

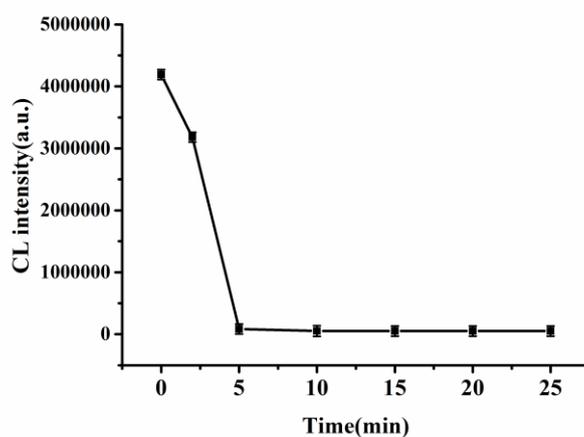


Figure S2. The effect of the incubation time of OTA aptamer-12 mer linker-G-Quadruplexes/HeminDNAzyme and WS_2 nanosheet on the CL quenching. Other experimental conditions were the same as those given in Figure 3.

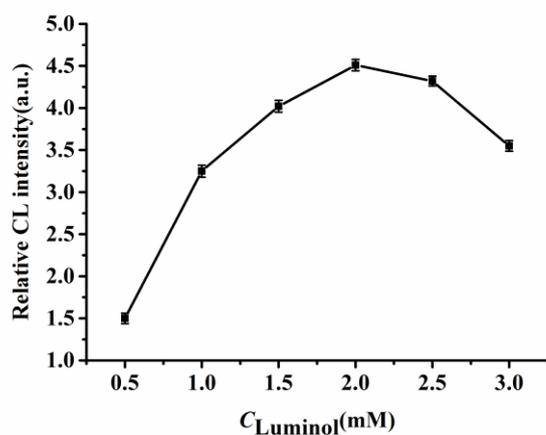


Figure S3. Effects of the concentration of luminol on relative CL intensity. Other experimental conditions were the same as those given in Figure 3.

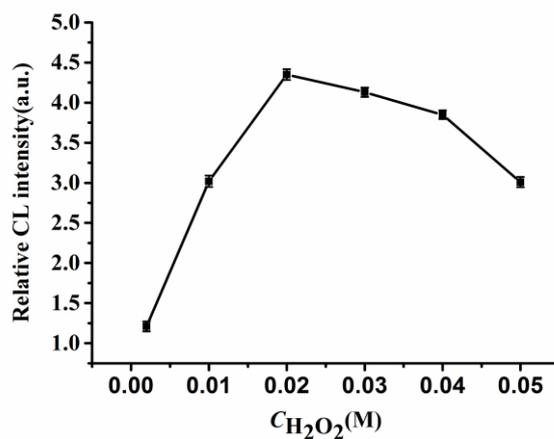


Figure S4. Effects of the concentration of H_2O_2 on relative CL intensity. Other experimental conditions were the same as those given in Figure 3.

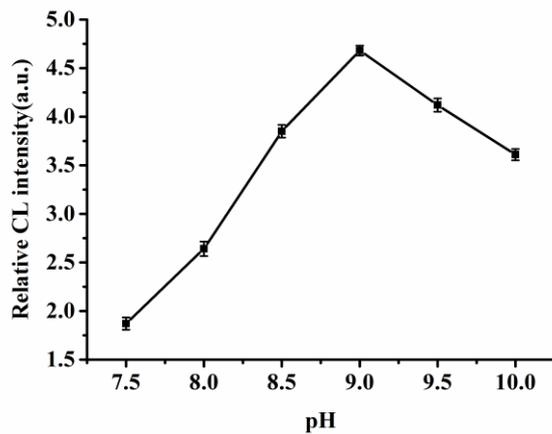


Figure S5. Effects of the reaction pH on relative CL intensity. Other experimental conditions were the same as those given in Figure 3.

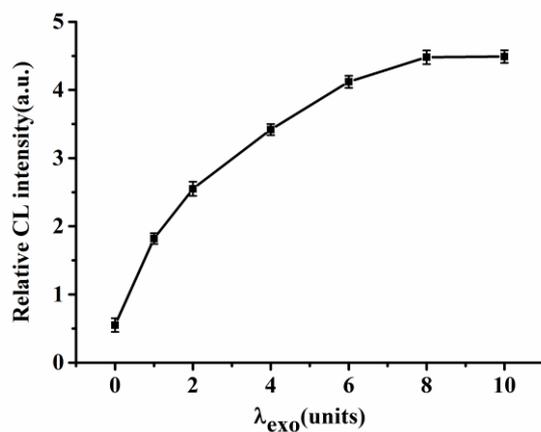


Figure S6. Effects of the amount of λ_{exo} on relative CL intensity. Other experimental conditions were the same as those given in Figure 3.

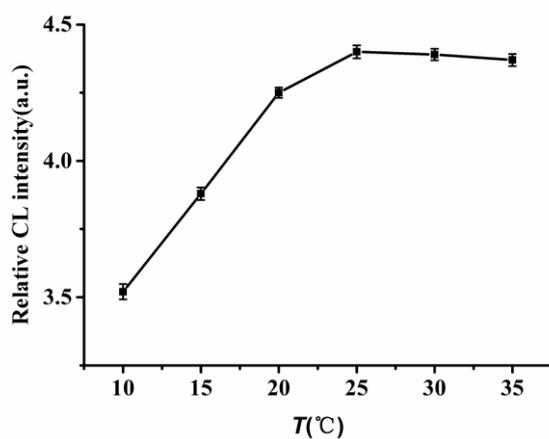


Figure S7. Effects of the temperature of aptamer binding to the WS₂ nanosheets on relative CL intensity. Other experimental conditions were the same as those given in Figure 3.

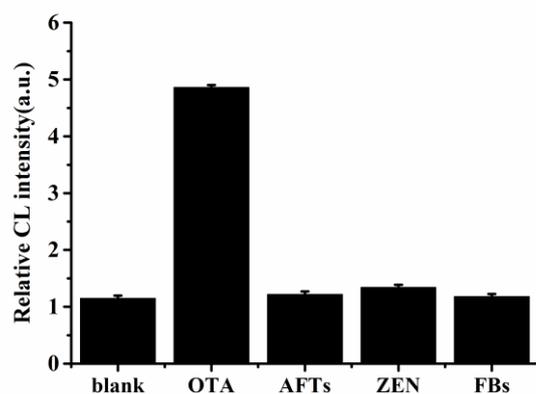


Figure S8. Detection specificity of the proposed amplified CL sensor. Other experimental conditions were the same as those given in Figure 3.

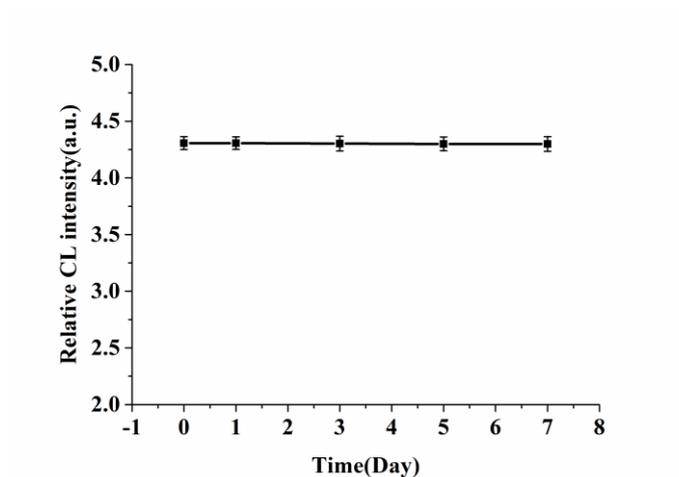


Figure S9. The durability of the aptamer-WS₂ sensor. Other experimental conditions were the same as those given in Figure 3.

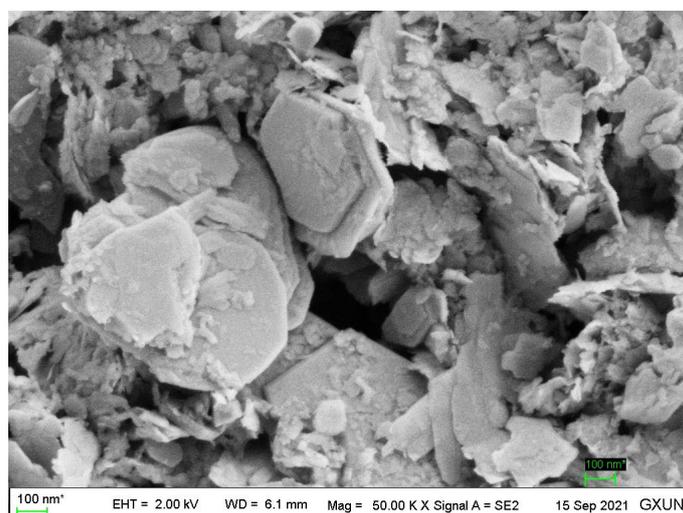


Figure S10. SEM image of WS₂ nanosheet.